

Women's Polytechnic
Education (Higher) Department
Govt. of Tripura
Hapania, Tripura (W)
P.O: Amatali Via Sekerkote, Pin : 799130

NIT No. F.1(66)/WP/Proc./2019/321

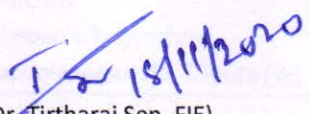
Date: 18/11/2020

NOTICE INVITING e-TENDER

The Women's Polytechnic, Hapania, Agartala, Tripura (W), invites e-Tender from bonafide & resourceful Manufacturers/authorized dealers/firm for "Supply & Installation of Electronic Device Lab Equipments" of Women's Polytechnic, Hapania, Agartala, Tripura (W) through e-Procurement website of Government of Tripura, <http://tripuratenders.gov.in>.

Sl.No.	Name of the Items	Quantity	Tender Fee	EMD value
1	PC based Logic Analyzer	02 nos.	Rs. 500/-	Rs. 2,000/-
2	Virtual Laboratory Software	02 nos.		

NB : Specification details of each item mentioned above are given in Annexure-1 of DNIT. Period of completion: 45(Forty five) days from the date of issue of supply order. The other details related e-Tender can be seen and obtained from the website: <http://tripuratenders.gov.in>. Corrigendum/Addendum, if any, will be published only on the above website.


(Dr. Tirtharaj Sen, FIE)
Principal

Women's Polytechnic,
Hapania, Agartala, Tripura (W)

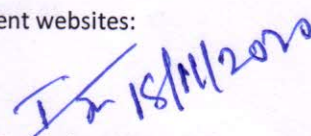
Signature of the authorized signatory with seal of tendering firm

e-Tender document for "Supply & Installation of Electronic Device Lab Equipments" of Women's Polytechnic, Hapania, Agartala, Tripura (W)

LIST OF IMPORTANT DATES IN CONNECTION WITH THE BID FOR THE WORK

1	Complication period for the supply	Within 45(twenty five) days from the date of issue of supply order
2	Date of publishing of Tender :	Date: 18/11/2020 Time: 5.00 PM
3	Document Download :	Date: 18/11/2020 Time: 5.00 PM
4	BID Submission start date :	Date: 18/11/2020 Time: 5.00 PM
5	BID Submission end date :	Date: 24/11/2020 Time: 5.00 PM
6	Time & Date of opening Bid/Bids :	Date : 25/11/2020 Time: 12.00 PM
7	Place of opening Bids :	Office of the Principal, Women's Polytechnic, Hapania, Agartala, Tripura (W)
8	Bid validity :	180 days
9	Officer Inviting Bids :	Dr. Tirtharaj Sen, FIE Principal Women's Polytechnic, Hapania, Agartala, Tripura (W)

Notes:- All the above mentioned time are as per clock time of e-procurement websites:
<https://tripuratenders.gov.in>


(Dr. Tirtharaj Sen, FIE)
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Signature of the authorized signatory with seal of tendering firm

SCHEDULE-1: IMPORTANT GUIDELINES AND ELIGIBILITY CRITERIA

1. Availability of the Tender:

1.1 "Supply & Installation of Electronic Device Lab Equipments" of Women's Polytechnic, Hapania, Agartala, Tripura (W) e-Tender document along with bid document can be downloaded from <http://tripuratenders.gov.in> and only registered bidder can participate in the tendering process.

1.2 The published tender will be available in the e-procurement website <http://tripuratenders.gov.in>.

1.3 The bidder shall bear all the costs associated with the preparation and submission of the bid. The "Women's Polytechnic, Hapania, Agartala, Tripura (W)" shall, in no case, be responsible or liable for these costs, regardless of the conduct or the outcome of the bidding process.

2. Language of Bid/Contract:

The language of the bid shall be in English and all correspondence in this regard shall be in English language.

3. Eligibility Criteria of the bidders:

3.1 The bidder should have never been blacklisted or debarred by any Central/State Government Departments/Undertaking Bodies/Autonomous Bodies/PSUs from carrying out similar work/business.

3.2 Offers without satisfying eligibility conditions will be out rightly rejected and no correspondence in this regard will be entertained.

3.3 Pre-Qualification cum Technical Bid:

The "Pre-Qualification Bid" shall contain all details regarding the terms & conditions offered by the bidder, compliance of terms and conditions with valid essential documents as

- i. GST registration certificate
- ii. ITR return last financial year
- iii. Proprietary certificate by the manufacturer.
- iv. Authorization of dealership in case of distributor, if tender is not submitted by the manufacturer. There must be an undertaking from the concerned manufacturer guaranteeing after sales service.
- v. Technical part: The technical part shall contain the Technical specifications of all the "Supply & Installation of Electronic Device Lab Equipments" for which the rates are quoted.

3.4 The tenderers shall clarify/state whether they are manufacturer, accredited agent/distributor or sole representative indicating principals. If agents/distributor quoting on behalf of their manufacturers/principals must provide authority letter in their favor, provided the manufacturer accepts responsibility for any lapses of the distributors/supplier in case they are authorized agent.

3.5 When tenders are submitted by authorized distributors/supplier, the name of the manufacturer shall be mentioned against each item for which rate is quoted.

3.6 In case of failure of the successful tendered to execute supply order(s) within the time allowed, the Security Deposit will be forfeited in part or in full, depending on the nature of the case, in absence of any justifiable reasons eg. Natural calamity.

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4. Validity of the Bid:

4.1 The bid will be valid upto 180 days from the date of bid submission.

5. Tender Fee/Earnest Money Deposit/Security Deposit for the Bid:

5.1 **Tender Fee:** Rs.500/- (Non refundable) to be submitted through online mode. The online payment option is included in the Tripura govt. e-tender portal.

5.2 **Earnest Money Deposit (EMD):** Bidder's need to submit an Earnest Money Deposit (EDM, Refundable) fee Rs. 2,000/- through online mode. The online payment option is included in the Tripura govt. e-tender portal.

6. Eligible Bidders :

Only those Bidders, who fulfill the eligibility criteria mentioned in the schedule I, serial no.3, are eligible to submit their bids in the <http://tripuratenders.gov.in> for purpose of this tender.

7. Contents of the bid document:

The bidders shall submit their bids with item wise in two covers, Cover-I 'Technical Bid' and Cover-II 'Financial Bid' with necessary documents as follows.

List of the important (statutory) documents to be scanned and uploaded within the period of bid submission date:

7.1 Cover-I (Technical Document):

- i) Technical Specification details of each item.
- ii) ITR return last financial year.
- iii) Bidder's declaration Annexure -2 & Annexure-3

**** Note:** Financial bid of the bidders who do not fulfill the above Technical bid requirements shall not be opened. The required document asked for in Cover-I should be submitted strictly as prescribed. Original documents of the bidders may be required for verification of the above claims.

7.2 Cover-II (Financial Document):

- i) Bill of Quantity (BOQ).

Note: When tenders are submitted by authorized distributors/supplier, the name of the manufacturer shall be mentioned against each item for which rate is quoted.

8. OID (Other important documents) :

Bidders are requested to upload below mentioned documents in their My Documents folder:

- i) Digitally signed terms and conditions and specification.
- ii) Documents in support of Bidder's recent and past supplies having price tag for similar item/work.
- iii) Dealership/Authorization certificate of manufacturer for the items where dealers are eligible to bid.
- iv) Bidder's Address Format.
- v) GST registration certificate.
- vi) PAN card.

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9. Clarification on the Technical Bid:

9.1. The tender opening authority may call upon any bidders for clarification on the statements, documentary proof relating to the technical bid. The clarification called for from the bidders shall be furnished within the stipulated time, which shall not be more than a week.

9.2. The bidders if so desirous shall agree in writing to furnish the clarification called for within the stipulated time and, for disqualification and rejection of his/her tender in the event of failure to do so.

10. How Rates to be Quoted:

After downloading the BOQ (Bill of Quantity), to quote the price item wise in it, bidders are requested to open the BOQ and enable macros on it. After that they will get an area to quote their price and name of the bidding organization or bidder and save it without changing the name of the BOQ. Once the bid submission date has been closed bidders can't change the quoted rate on it. **Bidders cannot alter the name of the BOQ. BOQ has to be filled and uploaded only in Cover-II (financial document). Do not send or upload this information in Cover-I/Technical Document.**

11. Extraneous term condition:

Bidder should accept all the terms and condition of the tender unconditionally and if they impose any extraneous term condition or offer any conditional discount, tendering authority reserve the right to declare the bid informal.

12. Amendment to Tender Documents:

12.1. Before the last date for submission of Tenders, the Tender Inviting authority preserve the right to modify any of the Contents of the Tender Notice, Tender documents by issuing amendment/Addendum or in the shape minutes of pre-bid conference.

12.2. Any addendum/corrigendum issued by the Tender Inviting Officer shall be part of the Tender Document and it shall either be uploaded in the <http://tripuratenders.gov.in> or notified in the News Papers in which NIT was published.


12.3. To give prospective Bidders reasonable time to take an addendum into account in preparing their bids, the Tender Inviting Officer may extend if necessary, the last date for submission of tenders.

T 18/11/2020
(Dr. Tirtharaj Sen, FIE)
Principal
Women's Polytechnic,
Hapania, Agartala, Tripura (W)

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SCHEDULE-2: TERMS & CONDITION

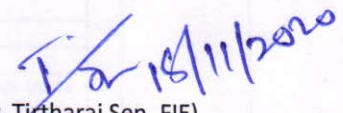
1. Submission of e-tender without requisite documents as per terms & conditions of DNIT will be treated as invalid one.
2. Earnest money shall be refunded to all unsuccessful tenderers after final decision about acceptance of tender.
3. Any penal action imposed by the Government for breach of terms of contract shall be final and binding on the part of the supplier(s)/Tenderer(s).
4. No interest can be claimed in case of delay in making payment beyond the stipulated period of payment.
5. **No conditional tender will be accepted whatever may be.**
6. The undersigned reserves the right to reject or accept any tender including the lowest one partly or wholly without assigning any reason or distribute the same to two or more tenderers, if necessary.
7. Tender can be cancelled at any point of time by the department without any prior notice.
8. No charges towards loading and /or unloading of the item will be entertained.
9. **Foreign currency** –The payment will be made in Indian Rupee based on the current rate of U.S. Dollar/Euro/Pound to Indian Rupee conversion (for imported items only).
10. **Delivery** - Within 45(Forty five) days from the date of received of firm supply order part payment against any part delivery of item will not be made.
11. **Installation & Training:** The relevant technical support personnel at site should provide installation of the ordered equipment and provide onsite operational training at least for 3(three) days.
12. **Support:** All technical support including software update should be provided during the warranty period through e-mail, Fax and Telephone. On-site support should be provided in case of problem remaining un-resolve through e-mail, Fax and Telephone.
13. The Award of Contract will execute only after receipt of 'Performance Bank Guarantee' from the L1 bidder.
14. Quoted equipment should be in existence for at least 05 years without being declared end of life.
15. Operational manual technology charged and other documents should be given free of cost if any.
16. Licensed software (CD/DVD) should be provided free of cost if any.
17. **Warranty: - One year warranty from the date of installation.**
18. The item wise quantity to be supplied may increase/ or drop according to the actual requirement/availability of fund.


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SCHEDULE – 3: INSTRUCTION TO THE BIDDERS

1. Bidder shall take separate print out of the formats of Declaration (**Annexure-2**), BOQ screenshot (**Annexure-3**) and other documents (statutory documents) including **item wise** technical specification. He/She shall fill the necessary information & put signature with stamp/seal, and then scan them into PDF (PDF should be in good resolution). Finally those documents should be uploaded (with digital signing) in Technical folder/Cover. If any of the certificate/documents furnished by the Bidder, found to be false/fabricated/bogus, the bidder will be liable to blacklisted and their E.M.D. will be forfeited.
2. Do not quote any rate in the BOQ screenshot (Annexure-3)/anywhere in DNIT. Bidder has to download the BOQ excel sheet from Tripura tender website and quote the rate and upload the same in the Financial cover.
3. Last date/time for submission of the Bids: Bids must be submitted within the Bid submission start and end date and time specified in DNIT. Principal, Women's Polytechnic, Hapania, Agartala, Tripura (W) may extend the dates for issue and receipt of Bids by issuing corrigendum.
4. Late Bids: The e-procurement application <http://tripuratenders.gov.in> will not allow any Bidder to attempt bidding, after the scheduled date and time prescribed in DNIT.
5. Tender shall not be accepted for the product/products for which the concerned company has been blacklisted/banned/debarred either by Tender inviting authority of Govt. of Tripura or by any other State/Central Govt.
6. The concerned company/firm who stands blacklisted/banned/debarred either by Tender inviting authority or Govt. of Tripura or by any other State/Central Govt. and its procurement agencies on the date of bid submission shall not be eligible to participate in the tender.
7. **Bid Opening:** The bid will be opened online by the designated bid openers at the office of the Principal, Women's Polytechnic, Hapania, Agartala, Tripura (W)", date and venue specified in the bid documents. Bids shall be scrutinized in accordance with the conditions stipulated in the Bid document. In case of any discrepancy of non-adherence conditions, the Bid accepting authority shall communicate the same which will be binding both on the bid Opening authority and the Bidder. In case of any ambiguity, the decision taken by the Bid Accepting Authority on bids shall be final.
8. **Bid Evaluation & Comparison of Bids:** All the statement, documents, certificates, demand draft, shall be submitted/uploaded by the bidder will be verified, for evaluation of bids. The clarifications, particulars, if any, required from the bidders, will be obtained by addressing the bidders. **Bids will be evaluated item wise against the specified parameters/criteria same as in the case of conventional bids and the qualified bidders will be identified.** The result of bids evaluation can be seen in the e-procurement application <http://tripuratenders.gov.in> by all the bidders who participated in the Bid.
9. **Explanation/clarification of tender:** If any bidder requires any explanation or clarification of any term condition of the e-tender, it must be sought from the tendering authority before participation in the e-tender. The clarification may be in the form of letter head or through email and reply through email will be treated a clarification against any queries.


(Dr. Tirtharaj Sen, FIE)
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ANNEXURE -1

Requirements

(To be submitted by the bidder mentioning the Make/Model of the items quoted along with the Bid. Also submit the colour catalogue of each item quoted along with the technical bid.)

Sl. No.	Name of Item with Specification	Qty.	Make/ Model No.																																																																												
1	<p>PC based Logic Analyzer</p> <p>Technical Specifications :</p> <table border="1"> <tr> <td>1</td> <td>Sampled Channels:</td> <td>44</td> </tr> <tr> <td></td> <td>Regular low voltage Input Channels</td> <td>40 Nos. (CH1 to CH40), Maximum Voltage +/- 10V</td> </tr> <tr> <td></td> <td>High Voltage, Schmitt i/p, slow channels</td> <td>4 Nos. (CH41- CH44), Maximum Voltage +/- 50V</td> </tr> <tr> <td></td> <td>Channels per cable group</td> <td>Channels 9 x 5 cable groups. supported on Expansion Module using 10pin FRC box headers x 5 Nos.</td> </tr> <tr> <td></td> <td>Input probe</td> <td>10 pin FRC multicolored cable with 2 side IC grabber hooks Pigtail type. (length=300mm each) x 5 Nos.</td> </tr> <tr> <td></td> <td>Input Impedance</td> <td>200 Kohm, parallel by 5 pF</td> </tr> <tr> <td></td> <td>Threshold voltage</td> <td>VL<1.3V, VH>1.8V+100mV</td> </tr> <tr> <td></td> <td>Input Bandwidth</td> <td>0 - 120MHz</td> </tr> <tr> <td>2</td> <td>Clock Sources</td> <td></td> </tr> <tr> <td></td> <td>Internal Clock</td> <td><input type="checkbox"/> 330MHz is generated using internal PLL from 33MHz crystal clock. <input type="checkbox"/> 330Hz - 330 MHz using internal divisor chain selection using LCD menu.</td> </tr> <tr> <td></td> <td>External Clock</td> <td>CH45th HV capable Schmitt I/P slower clock source from SUT BNC clock e.g. From TTL o/p of function generator.</td> </tr> <tr> <td></td> <td>Time Base Accuracy</td> <td>Crystal controlled time base accuracy (500PPM).</td> </tr> <tr> <td>3</td> <td>Capture Memory</td> <td></td> </tr> <tr> <td></td> <td>Sample Buffer</td> <td>44 X 512 samples each</td> </tr> <tr> <td></td> <td>Sample Count</td> <td>Varies with data due to real time e.g. when sampling @330MHz min: 512 (x 44) @ 3.03ns=1.6us and max: 2^20(1048576) @3.03ns=3.1ms</td> </tr> <tr> <td>4</td> <td>Triggering</td> <td></td> </tr> <tr> <td></td> <td>(A) Capture Qualifier</td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/> Segmented or continuous with trigger</td> <td>8 segments of 64 x 44 channels. 1 segment of 512 per channel.</td> </tr> <tr> <td></td> <td>Continuous without trigger</td> <td>Continuous in circular buffer of 512 samples per channel</td> </tr> <tr> <td></td> <td>(B) Trigger source</td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/> Single channel</td> <td>CH40</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Multiple channel combination</td> <td>Combination of "Either OR "of 4 +4 channels (CH28-CH31 OR CH32-CH35) (1:32) OR Combination of 8 channels (CH28-CH35), (1:256) 4x2 DIP switches provided on front panel of LA 45. Selection through LCD menu</td> </tr> <tr> <td></td> <td>Trigger position</td> <td>Pre, Post, Centre</td> </tr> <tr> <td>5</td> <td>Display</td> <td></td> </tr> <tr> <td></td> <td>LCD</td> <td>16x2 LCD with Backlight, Various menu selection or LA acquire mode using Toggle switch & 2 Push Buttons.</td> </tr> <tr> <td></td> <td>LED</td> <td>4 nos, P. ON + 3 status LEDs.: Ext. Clock sel., trigger event, Acquire.</td> </tr> </table>	1	Sampled Channels:	44		Regular low voltage Input Channels	40 Nos. (CH1 to CH40), Maximum Voltage +/- 10V		High Voltage, Schmitt i/p, slow channels	4 Nos. (CH41- CH44), Maximum Voltage +/- 50V		Channels per cable group	Channels 9 x 5 cable groups. supported on Expansion Module using 10pin FRC box headers x 5 Nos.		Input probe	10 pin FRC multicolored cable with 2 side IC grabber hooks Pigtail type. (length=300mm each) x 5 Nos.		Input Impedance	200 Kohm, parallel by 5 pF		Threshold voltage	VL<1.3V, VH>1.8V+100mV		Input Bandwidth	0 - 120MHz	2	Clock Sources			Internal Clock	<input type="checkbox"/> 330MHz is generated using internal PLL from 33MHz crystal clock. <input type="checkbox"/> 330Hz - 330 MHz using internal divisor chain selection using LCD menu.		External Clock	CH45th HV capable Schmitt I/P slower clock source from SUT BNC clock e.g. From TTL o/p of function generator.		Time Base Accuracy	Crystal controlled time base accuracy (500PPM).	3	Capture Memory			Sample Buffer	44 X 512 samples each		Sample Count	Varies with data due to real time e.g. when sampling @330MHz min: 512 (x 44) @ 3.03ns=1.6us and max: 2^20(1048576) @3.03ns=3.1ms	4	Triggering			(A) Capture Qualifier			<input type="checkbox"/> Segmented or continuous with trigger	8 segments of 64 x 44 channels. 1 segment of 512 per channel.		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 02 nos. | |

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	6	PC interface			
		Cable	Parallel Port cable using built in Byte BLASTER II		
		GUI	Through signal Tap II software. Runs under windows OS- XP, WIN-10		
	7	Power Supply	Requires +5V/500mA using external SMPS 240/220VAC connecting through casio jack on hind panel.		
	8	Accessories			
		Processor Personality Module [PPM]	PCB Module for Mnemonic based Disassembly Support for 8051/8085/8086 (optional) with 40 pin DIP socket interfaced using 50 pin FRC cable [L=350mm] to LA		
	9	Interpreted protocols	I2C, SPI, USART-RS232, RS485.		
2	Virtual Laboratory Software			02 nos.	
	Technical Specification & Requirement:				
	1	Application	Animation of existing experiment procedures for various panels on Lab view platform.		
	2	H/W Platform	P4/XP / WIN 7/8/WIN10		
		Interface	<ul style="list-style-type: none"> • Installer created in Lab view with run time engine. • CD key needed for execution. 		
	3	Virtual Instrumentation Displays/Graphs	CRO, function generator, Power supply, and toggle switches, LEDs, DMM Graph, Table fill etc.		
	4	Experiment. List	<ol style="list-style-type: none"> 1) CE, CB, CC amplifier 2) Complementary Symmetry amplifier 3) FET Amplifier (CS & CD) & Push Pull Amplifier 4) Shunt Feedback Amplifier (voltage & current) 5) Characteristics of diode, zener, FET 6) Characteristics of SCR, DIAC, TRIAC 7) Characteristics of MOSFET, IGBT, UJT 8) Characteristics of BJT 9) Rectifiers 10) Regulators 11) Multivibrator 12) Resistance, Voltage and Current measurement 13) Loading effect, Power in DC circuits, series-parallel mixed circuits 14) Theorem I (Super Position, Thevenin's, Norton's and Maximum Power Transfer Theorem) 15) Theorem II (Millman's, Compensation, Reciprocity and Tellegen's Theorem) 16) Ohm's Law & Kirchhoff's Law 17) Two Port Network 18) Voltage distribution between Capacitors in Series & Parallel, Wheatstone's bridge. 19) Filters 20) Log, Antilog and Root Extractor Amplifier 21) INV_NI_SUM_DIFF Amplifier 22) Basic Logic Gates 23) Combinational Circuits 24) Counters 25) Shift Register 26) Boolean Algebra b) Flip Flop c) K-MAP 		

ANNEXURE-3

FINANCIAL BID (Bill of Quantity) Proforma

Subject: Tender for "Supply & Installation of Electronic Device Lab Equipments" for Women's Polytechnic, Hapania, Agartala, Tripura (W)

Dear Sir,

I/We _____ (name of the applicant Agency/the Authorized Signatory duly authorized by the applicant Agency to submit this Tender), do hereby submit out Tender to **"Supply & Installation of Electronic Device Lab Equipments"** for various Departments of Women's Polytechnic, Hapania, Agartala, Tripura (W), in accordance with provisions of terms and conditions of this DNIT.

For **"Supply & Installation of Electronic Device Lab Equipments"** for various Departments of Women's Polytechnic, Hapania, Agartala, Tripura (W), (This proforma is meant for acceptance of BOQ Format only by the prospective Bidders. Bidders shall not quote any value on this proforma. Violation of this instruction may lead to cancellation of tender summarily).

PRICE SCHEDULE										
[DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY]										
[This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only]										
NUMBER	TEXT #	TEXT #	NUMBER	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder in Rs. P	GST Amount in INR Rs. P	Any Other Taxes in Rs. P	TOTAL AMOUNT Without Taxes col (13) = (4) x	TOTAL AMOUNT With Taxes col (14) = sum (8) to (13)	TOTAL AMOUNT in Words
1	Supply & Installation of Electronic Device Lab Equipments									
11	PC based Logic Asahcor	Item1	2.00	Nos				0.00	0.00	INR Zero Only
12	Virtual Laboratories Software	Item2	2.00	Nos				0.00	0.00	INR Zero Only
Total in Figures								0.00	0.00	INR Zero Only
Quoted Rate in Words								INR Zero Only		

**** Note:**

- Our Financial Tender shall be binding upon us subject to any modifications resulting from contract negotiations, up to the expiration of the validity period of the Tender, i.e 192 days from the date of opening of technical bid.
- We understand that you are not bound to accept any tender that you receive without assigning any reason.

Signature of the authorized signatory with seal of tendering firm